

Toward a National TRC Standard for Consumer-Owned Utilities

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The Consumer-Owned Utility Market

- Consumer-Owned Utilities (COUs) include:
 - ◆ Municipalities
 - ◆ Generation and Transmission Cooperatives
 - ◆ Distribution Cooperatives
 - ◆ Public Power/Utility Districts
 - ◆ Irrigation Districts
 - ◆ Federal Power Marketing Administrations (i.e., WAPA, BPA, TVA)
 - ◆ Tribal-Owned Power Entities
- COUs range in size from some of the largest to the smallest utilities in the country:
 - ◆ Large: Cities of Los Angeles, New York, Seattle, Orlando, Austin
 - ◆ Small: Rural entities serving less than 3,000 customers
 - ◆ And everything imaginable between



The Consumer-Owned Utility Market

- The national COU market by the numbers:
 - ◆ ~3,000 COUs
 - ◆ ~35 million customers
 - ◆ ~864 million MWhs of annual sales
- Nationwide, COUs account for:
 - ◆ 25% of all energy revenues from sales to end-users
 - ◆ 30% of all energy generation
 - ◆ 30% of installed generation capacity



The COU TRC Initiative

- Based upon existing TRC standards and processes
 - ◆ Developed through a collaborative process of peers representing public power
 - ◆ Expanded scope to increase the number of eligible technologies and fuels/energy sources
 - ◆ Does not define the term “renewable”, but refers to federal/state or other standard setting entity guidelines
 - ◆ Seeks to enable COUs to participate in a number of markets or meet local policy requirements (i.e., TRCs, RPS’, CO2 reductions)
 - ◆ Will rely on existing markets and market participants to facilitate certification, transactions, tracking, & marketing



Why a COU-based TRC Initiative ?

- Increase the scope of existing TRC-type markets and expand the number of eligible technologies and energy sources
- Increase the number of COUs involved in TRC-type certification programs
- Increase the number of TRC transactions nationwide by attracting more COUs to participate in the market
- Increase the “Buy-In” by public power, as the initiative was developed via a collaborative process of peers



Why a COU-based TRC Initiative ?

- Obtain the “branding” benefits of the public power product
- Capture the economies of scale associated with national and regional marketing campaigns promoting public power TRCs
- COUs want to impact the TRC marketplace, and this initiative is a way for them to make that impact



Participants in the COU TRC Initiative

- Public Renewables Partnership
- National Rural Electric Cooperative Assn.
- Bonneville Power Administration
- Los Angeles Department of Water & Power
- Basin Electric Power Cooperative
- Northern California Power Agency
- US Bureau of Reclamation
- City of Palo Alto
- Colorado River Commission of Nevada
- Lincoln Electric System
- Lawrence Berkeley Laboratory
- Enervision Inc.
- Millennium Energy LLC
- Western Area Power Administration
- American Public Power Association
- Tennessee Valley Authority
- Tri-State G&T
- Austin Energy
- Intertribal COUP
- Arizona Power Authority
- Nebraska Public Power District
- Nebraska Municipal Public Power
- Platte River Power Authority
- National Renewable Energy Laboratory
- AWS Scientific



COU TRC Certification Guidelines

- The resource being certified must be from a consumer-owned power generation source
- Applicant must submit:
 - ◆ “Disclosure Statement” - expanded scope of resources from existing industry guidelines
 - ◆ “Attestations” - streamlined from existing industry guidelines, but ensures no double counting of TRCs
- Guidelines provide:
 - ◆ Description of verification and audit process
 - ◆ Vintage of eligible TRCs (2 years)



Example Generation Types & Energy Sources

■ Generation Types:

- Wind Turbine
- Combustion Turbine
- Hydroelectric Turbine
- Stirling Engine
- Internal Combustion Engine
- Solar Collector
- Combined Heat & Power
- Fuel Cell
- Rankin Cycle
- Other

■ Fuel / Energy Source:

- Wind
- Geothermal
- Water
- Hybrid (specify type and percentage)
- Renewable-based Hydrogen
- Waste Heat
- Other
- Solar
- Biomass
 - ag residues
 - animal waste
 - forest residues
 - wood waste
 - MSW, LFG



Next Step: Request for Information (RFI)

- WAPA/PRP to release RFI to industry w/i ~2 weeks
- RFI will seek information on:
 - ◆ Respondents' approaches, estimated costs, terms and conditions, and schedules for:
 - ☞ Wholesale TRC Certification Services
 - ☞ Wholesale TRC Trading and Tracking Services
 - ☞ Wholesale TRC Marketing Services
 - ☞ Development of a National Retail COU TRC Product
 - ◆ Respondents' Qualifications
- WAPA/PRP may elect to begin negotiations with organizations based on RFI responses, issue an RFP, or pursue alternative implementation strategies



For more information on this TRC initiative, or to be placed
on the distribution list for the RFI, please contact :

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